

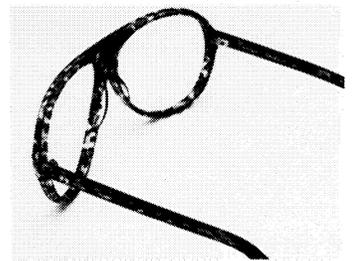
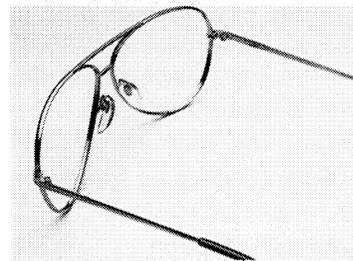
SELF-ADJUSTING SUNGLASSES

The sunglasses shown at right are Serengeti® Drivers, produced by Corning Optics, a division of Corning Glass Works, Corning, New York. They are unique in that their copper Spectral Control™ lenses self-adjust and selectively filter the light to sharpen the image while suppressing glare or blue light. The lenses act much like the haze filter of a camera, the company says, improving visibility and reducing eye fatigue by cutting through the scattered blue light in haze. The photochromic lenses adapt quickly to changing light conditions, darkening or lightening to optimize the level of light reaching the eye; they also eliminate more than 99 percent of the ultraviolet rays in sunlight.

The frames were also the subject of extensive research and their design benefited from use of technology contained in a NASA Anthropometric Source Book. Anthropometry is the study of the size, shape and motion characteristics of the human body; the three-volume NASA source book is probably the world's most comprehensive compendium of anthropometric data. Its compilation was intended primarily for use in designing clothing, equipment and



workplaces in flight vehicles, but its information is also useful in a wide range of non-aerospace applications. Corning drew upon the NASA data in "bio-engineering" the Serengeti frames (right) for optimum fit and comfort. Featuring self-adjusting nose pads and hinges with self-locking screws, the frames are available in metal or tortoiseshell styles. ▲



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™ Spectral Control is a trademark of Corning Glass Works.